

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

April 21, 2005

Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597

RE: 1

EM-VER-026-060-070-070A-050317 -Cellco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at 1919 Boston Post Road, Guilford; 49 Wig Hill Road, Chester; Route 80, Killingworth; and Chestnut Hill Road, Killingworth, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on April 19, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated March 17, 2005, including the placement of all necessary equipment and shelters within the tower compounds. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Any additional change to any of these facilities will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Ver truly yours,

Pamela B. Katz, P.E.

Chairman PBK/laf

c: See Attached List

CSC CONNECTICULT SITING COUNCE

Kenneth C. Baldwin Decision Letter for EM-VER-026-060-070-070a-050317 Page 2

Recipient List:

The Honorable Martin L. Heft, First Selectman, Town of Chester Cathy Jefferson, Zoning Enforcement Officer, Town of Chester The Honorable David L. Denvir, First Selectman, Town of Killingworth Cathie Jefferson, Zoning Enforcement Officer, Town of Killingworth The Honorable Charles E. Bishop, First Selectman, Town of Guilford Regina Reid, Zoning Enforcement Officer, Town of Guilford Thomas J. Regan, Brown Rudnick Berlack Israels, LLP Stephen J. Humes, Esq., McCarter & English LLP Christopher B. Fisher, Esq., Cuddy & Feder, LLP Thomas F. Flynn III, Nextel Communications Jeffrey W. Barbadora, Crown Atlantic Company LLC

ROBINSON & COLELLP

EM-VER-026-060-070-070A-050317

KENNETH C. BALDWIN

280 Trumbull Street Hartford, CT 06103-3597 Main (860) 275-8200 Fax (860) 275-8299 kbaldwin@rc.com Direct (860) 275-8345

March 17, 2005

Via Hand Delivery

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051



Re: Notice of Exempt Modification – Antenna Swap Guilford 2—1919 Boston Post Road, Guilford, CT Chester—49 Wig Hill Road, Chester, CT Killingworth—Route 80, Killingworth, CT Killingworth 2—Chestnut Hill Road, Killingworth, CT

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at each of the sites referenced above. As discussed below, Cellco now intends to modify each of these facilities.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the chief elected or appointed official in each affected municipality.

Guilford 2 Facility - 1919 Boston Post Road

Cellco's existing facility consists of twelve (12) cellular antennas on a tower owned by the SprintSites, USA. Cellco now intends to modify its facility by replacing six (6) of its cellular antennas with six (6) PCS antennas at the same level on the tower. Attached behind <u>Tab 1</u> are specifications for the existing cellular antennas and the proposed PCS antennas for the Guilford 2 facility and a new general power density table.



Law Offices

Boston

 ${\tt Hartford}$

NEW LONDON

STAMFORD

GREENWICH

WHITE PLAINS

NEW YORK CITY

SARASOTA

www.rc.com

HART1-1241626-1

ROBINSON & COLELLP

S. Derek Phelps March 17, 2005 Page 2

Chester Facility - 49 Wig Hill Road

Cellco's existing facility consists of twelve (12) cellular antennas on a tower owned by Crown Atlantic Company, LLC. Cellco now intends to modify its facility by replacing six (6) of its cellular antennas with six (6) PCS antennas at the same level on the tower. Attached behind <u>Tab 2</u> are specifications for the existing cellular antennas and the proposed PCS antennas for the Chester facility and a new general power density table.

Killingworth Facility - Route 80

Cellco's existing facility consists of twelve (12) cellular antennas on a tower owned by Crown Atlantic Company, LLC. Cellco now intends to modify its facility by replacing six (6) of its cellular antennas with six (6) PCS antennas at the same level on the tower. Attached behind <u>Tab 3</u> are specifications for the existing cellular antennas and the proposed PCS antennas for the Killingworth facility and a new general power density table.

Killingworth 2 Facility - Chestnut Hill Road

Cellco's existing facility consists of twelve (12) cellular antennas on a tower owned by Crown Atlantic Company, LLC. Cellco now intends to modify its facility by removing six (6) of its cellular antennas and replacing them with nine (9) PCS antennas, for a total of fifteen (15) antennas, at the same level on the tower. Attached behind Tab 4 are specifications for the existing cellular antennas and the proposed PCS antennas for the Killingworth 2 facility, a new general power density table and a structural analysis stating that the tower can support the proposed modification.

The planned modifications to each facility falls squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

- 1. The proposed modifications will not result in any increase in the overall height of any of the existing structures. Cellco's replacement antennas will be mounted at the same level on the tower.
- 2. The proposed modifications will not affect ground-mounted equipment and will not require the extension of the site boundaries.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more.



ROBINSON & COLELLP

S. Derek Phelps March 17, 2005 Page 3

4. The proposed modifications will not result in radio frequency (RF) power density levels at the facility that exceed the Federal Communications Commission (FCC) adopted safety standard.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facilities constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures

cc:

Charles E. Bishop, Town of Guilford First Selectman Martin L. Heft, Town of Chester First Selectman David L. Denvir, Town of Killingworth First Selectman Sandy M. Carter



Swedcom Corporation

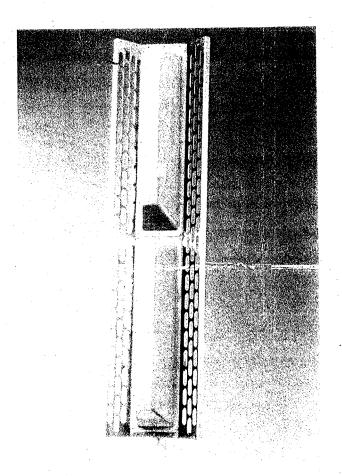
ALP 8013-N

Log-Periodic Reflector Antenna 80 Degrees 13 dBd

Features:

- ☐ Broadbanded. (800-900 MHz)
- Low backlobe radiation. Front-to-back ratio better than 30 dB
- □ Low Intermodulation Products.
- □ Low Wind-load.
- Low weight.
- ☐ Small size.
- □ Rugged design.

Please see the following pages including radiation patterns/tables for ALP 8013-N.



Electrical Specifications:

Frequency range:

806-896 MHz

Impedance:

50 ohm

Connector:

N-female or 7/8" EIA

VSWR:

Typ. 1.3:1 max 1.5:1

Polarization:

Vertical

Gain:

13 dBd

Front to back ratio:

>30 dB

>18 dB

Side-lobe supression:

Intermodulation: (2x25W):

IM3 >146 dB

IM5 >153 dB

IM7 & IM9 >163 dB

Power Rating:

500 W

H-Plane: -3 dB E-Plane: -3 dB 84°

15°

Lightning Protection:

DC Grounded

2.0 <u>VSWR</u> 1.5 1.0 900 820 860 880 800

Mechanical Specifications:

Overall Height: Width:

52 in 13 in (1320 mm) (330 mm) (290 mm)

Depth:

Weight including brackets:

11.4 in 27.3 lbs (12.3 Kg) 113 mph

(180 Km/h) 4.5 sq.ft (0.42 sq.m)

Wind Area (CxA/Front): Lateral thrust at rated wind

Worst case:

Rated wind velocity:

650 N

Materials:

Radiating elements: Element housing:

Aluminum **Grey PVC**

Back-plate:

Aluminum

Mounting hardware

clamps: bolts:

Hot dip galvanized steel Stainless steel

Manufactured by: Allgon System AB

DECIBEL'

Base Station Antennas

948F85T2E-M

16.1 dBi, Directed Dipole Antenna 1850-1990 MHz

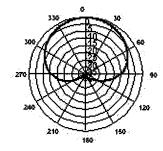
1850-1990 MHz

MaxFill™

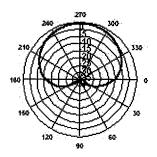
dB Director®

- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity
- Excellent upper side lobe suppression
- Deep null filling below the horizon assures improved signal intensity
- Low profile appearance and low wind loading profile for easier zoning approvals





Azimuth 1850 MHz (Tilt=2)



Horizontal 1850 MHz (Tilt=2)

330 h 30
/>
200// 25// 60
(/\// <i>\/</i> - \/ \/\/\
1777942 x168324 0331
270
11117XXX III XXXIII
() \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
240 120
240 120
210 150
*IA 14.

Vertical 1850 MHz (Tilt=2)



ELECTRICAL		MECHANICAL	
Frequency (MHz):	1850-1990	Weight:	8.5 lbs (3.9 kg)
Polarization:	Vertical	Dimensions (LxWxD):	48 X 3.5 X 7 in
Gain (dBd/dBi):	14/16.1	· · ·	(1219 X 89 X 178 mm)
Azimuth BW:	85°	Max. Wind Area:	1.18 ft² (0.11 m²)
Elevation BW:	8°	Max. Wind Load (@ 100mph):	65 lbf (289 N)
Beam Tilt:	2°	Max. Wind Speed:	125 mph (201 km/h)
USLS* (dB):	>18	Radiator Material:	Low Loss Circuit Board
Null Fill* (dB):	15	Reflector Material:	Aluminum
Front-to-Back Ratio* (dB):	40	Radome Material:	ABS, UV Resistant
VSWR:	<1.33:1	Mounting Hardware Material:	Galvanized Steel
IM Suppression - Two 20 Watt Carriers:	-150 dBc	Connector Type:	7-16 DIN - Female (Bottom)
Impedance:	50 Ohms	Color:	Light Gray
Max Input Power:	250 Watts	Standard Mounting Hardware:	DB390 Pipe Mount Kit, included
Lightning Protection:	DC Ground	Downtilt Mounting Hardware:	DB5098, optional
Opt Electrical Tilt:	0°,4°,6°	Opt. Mounting Hardware:	DB5094-AZ Azimuth Wall Mount



Andrew Corporation 8635 Stemmons Freeway Dallas, Texas U.S.A 75247-3701 Tel: 214.631.0310 Fax: 214.631.4706 Toll Free Tel: 1.800.676.5342 Fax: 1.800.229.4706 www.andrew.com

Date: 4/29/2004 * - Indicates Typical Values

dbtech@andrew.com

Site Name: Guilford 2, CT Tower Height: 122 FT

				Γ
Fraction of MPE	(%)	7.42%	1.45%	8.87%
Maximum Permissable Exposure*	(mW/cm^2) (mW/cm^2)	0.586	L	
Calcurated Power Density	(mW/cm^2)	0.0435	0.0145	
Distance to	(feet)	122	122	
Total ERP	(watts)	1800	009	posure
ERP Per Frans.	(watts)	200	200	m Permissible Exposure
Number of Trans.		6	3	mum Pern
Operating Frequency	(MHz)	880	1900	tage of Maxi
Operator		Verizon	Verizon	Total Percentage of N

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter ERP = Effective Radiated Power



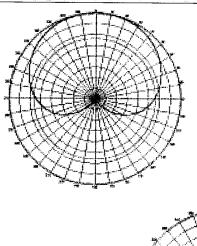


844H90EXYBAM

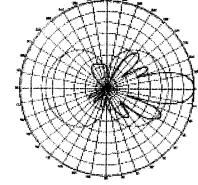
12 dBd Log Periodic Antenna

dB Director®

- Superior Azimuth pattern roll off, reducing sector to sector interference, improving call capacity.
- Extremely rugged, reliable design yet lightweight with low wind load.



Azimuth (Horizontal)



Scale: 10° radials, 5 dB per division

Elevation (Vertical)

Electrical

Frequency:

824-896 MHz

Polarization:

Vertical

Gain:

12 dBd (14.1 dBi)

Azimuth BW:

90°

Elevation BW:

15.5°

USLS:

> 18 dB

Front-to-Back Ratio:

40 dB

VSWR:

PIM:

1.22:1

impedance:

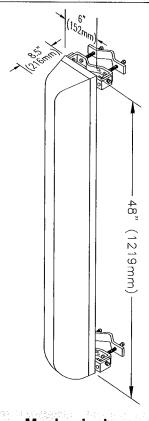
-150 dBc (2 tone, 20 watt) 50 Ohms

Max. Input Power:

500 Watts

Lightning Protection:

All metal parts are grounded



Mechanical

Weight:

10 lbs (4.5 kg)

Dimensions:

48" x 6" x 8.5" (1219 x 152 x 216 mm)

Max. Wind Area:

2.8 ft2 (0.26 m2)

Max. Wind Load:

80 lbf (356N) 35.9 kp (at 100 mph)

Max. Wind Speed:

125 mph (201 km/h)

Radiators:

Brass

Reflector:

Pass. Aluminum

Radome:

ABS, UV Resistant

Mounting Hardware:

Galvanized Steel 7/16 DIN (Back)

Connector:

Color:

Gray

Mounting Options

Standard: Downtilt:

DB380 pipe mount kit included. DB5083 downtilt brackets, optional.

8635 Stemmons Freeway • Dallas, Texas U.S.A. 75247-3701 Dallas/Ft.Worth Area Tel: 214.631.0310 • Fax: 214.631.4706 Toll Free Tel: 1.800.676.5342 • Fax: 1.800.229.4706 www.decibelproducts.com

dbtech@decibelproducts.com



DECIBEL

Base Station Antennas

948F85T2E-M

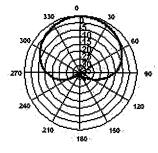
16.1 dBi, Directed Dipole Antenna 1850-1990 MHz

1850-1990 MHz

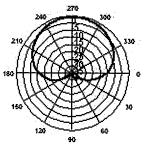
MaxFillTM dB Director®

- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity.
- Excellent upper side lobe suppression
- Deep null filling below the horizon assures improved signal intensity
- Low profile appearance and low wind loading profile for easier zoning approvals





Azimuth 1850 MHz (Tilt=2)



Horizontal 1850 MHz (Tilt=2)

300L)		70	
270		册	40
240 \	10	150	13

Vertical 1850 MHz (Tilt=2)



ELECTRICAL		MECHANICAL		
Frequency (MHz):	1850-1990	Weight:	8.5 lbs (3.9 kg)	
Polarization:	Vertical	Dimensions (LxWxD):	48 X 3.5 X 7 in	
Gain (dBd/dBi):	14/16.1	, ,	(1219 X 89 X 178 mm)	
Azimuth BW:	85°	Max. Wind Area:	1.18 ft² (0.11 m²)	
Elevation BW:	8°	Max. Wind Load (@ 100mph):	65 lbf (289 N)	
Beam Tilt:	2°	Max. Wind Speed:	125 mph (201 km/h)	
USLS* (dB):	>18	Radiator Material:	Low Loss Circuit Board	
Null Fill* (dB):	15	Reflector Material:	Aluminum	
Front-to-Back Ratio* (dB):	40	Radome Material:	ABS, UV Resistant	
VSWR:	<1.33:1	Mounting Hardware Material:	Galvanized Steel	
IM Suppression - Two 20 Watt Carriers:	-150 dBc	Connector Type:	7-16 DIN - Female (Bottom)	
Impedance:	50 Ohms	Color:	Light Gray	
Max Input Power:	250 Watts	Standard Mounting Hardware:	DB390 Pipe Mount Kit, included	
Lightning Protection:	DC Ground	Downtilt Mounting Hardware:	DB5098, optional	
Opt Electrical Tilt:	0°,4°,6°	Opt. Mounting Hardware:	DB5094-AZ Azimuth Wall Mount	



Andrew Corporation 8635 Stemmons Freeway Dallas, Texas U.S.A 75247-3701 Tel: 214.631.0310

Fax: 214.631.4706 Toll Free Tel: 1.800.676.5342 Fax: 1.800.229.4706 www.andrew.com

Date: 4/29/2004 * - Indicates Typical Values

Site Name: Chester, CT Tower Height: 140 FT

erator	Operating Frequency	Number of Trans.	ERRPET Trans.	i Total ERP	Distance to	Calculated Power	Maximum Permissable Exposure:	F. Hraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2) (mW/cm^2)	(%)
/erizon	088	6	200	1800	140	0.0330	0.586	5.64%
/erizon	1900	3	200	600	140	0.0110	1	1.10%
ıl Percen	Fotal Percentage of Maxim	-	ım Permissible Exposure	posure				6.74%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter ERP = Effective Radiated Power



Site Name: Killingworth, CT Tower Height: 160 FT

PE.				
L. Fraction of N	(%)	4.31%	0.84%	5.16%
AVaximum Permissable Exposure*	(mW/cm^2) (mW/cm^2)	0.586	-	
Galculated Power Density	(mW/cm^2)	0.0253	0.0084	
Distance to Target	(feet)	160	160	
Total ERP	(watts)	1800	009	posure
ERP Per Trâns 7	(watts)	200	200	num Permissible Exposure
Number of Frans.		6	3	mum Pern
Operating Frequency	(MHz)	880	1900	tal Percentage of Maxin
Operator		Verizon	Verizon	Total Percen

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter ERP = Effective Radiated Power



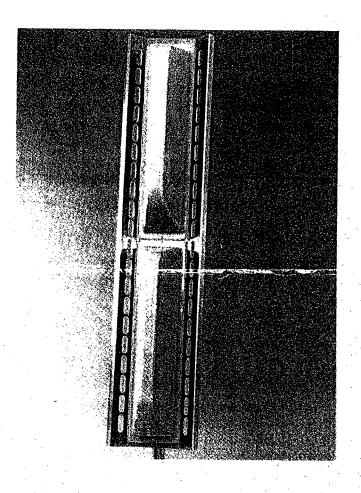
ALP 9212-N

Log-Periodic Reflector Antenna 92 Degrees 12 dBd

Features:

- ☐ Broadbanded. (800-900 MHz)
- □ Low backlobe radiation. Front-to-back ratio better than 28 dB
- ☐ Low Intermodulation Products.
- ☐ Low Wind-load.
- Low weight.
- ☐ Small size.
- Rugged design.

Please see the following pages including radiation patterns/tables for ALP 9212-N.



Electrical Specifications:

Frequency range: 806-896 MHz Impedance: 50 ohm Connector: N-female or 7/8" EIA VSWR: Typ. 1.3:1 max 1.5:1 Polarization: Vertical Gain: 12 dBd Front to back ratio: >28 dB Side-lobe supression: >18 dB Intermodulation: (2x25W):

IM5 >153 dB

Power Rating: H-Plane: -3 dB 95° E-Plane: -3 dB 15° **Lightning Protection:** DC Grounded

IM3 >146 dB IM7 & IM9 >163 dB 500 W

Mechanical Specifications:

Overall Height: 52 in (1320 mm)Width: 11.4 in (290 mm) Depth: 11.4 in (290 mm) Weight including brackets: 26.7 lbs (12 Kg) Rated wind velocity: (180 Km/h) 113 mph Wind Area (CxA/Front): 3.9 sq.ft (0.36 sq.m) Lateral thrust at rated wind

Worst case:

570 N

Materials:

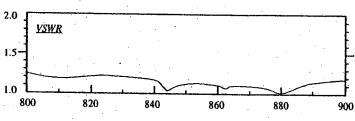
Radiating elements: Aluminum Element housing: **Grey PVC** Back-plate: Aluminum

Mounting hardware clamps:

bolts:

Hot dip galvanized steel Stainless steel

Manufactured by: Allgon System AB



DECIBEL

Base Station Antennas

948F85T2E-M

16.1 dBi, Directed Dipole Antenna 1850-1990 MHz

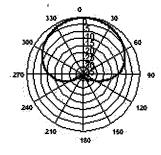
1850-1990 MHz

MaxFill™

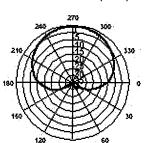
dB Director®

- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity
- Excellent upper side lobe suppression
- Deep null filling below the horizon assures improved signal intensity
- Low profile appearance and low wind loading profile for easier zoning approvals

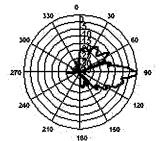




Azimuth 1850 MHz (Tilt=2)



Horizontal 1850 MHz (Tilt=2)



Vertical 1850 MHz (Tilt=2)



ELECTRICAL		MECHANICAL		
Frequency (MHz):	1850-1990	Weight:	8.5 lbs (3.9 kg)	
Polarization:	Vertical	Dimensions (LxWxD):	48 X 3.5 X 7 in (1219 X 89 X 178 mm)	
Gain (dBd/dBi): Azimuth BW:	14/16.1 85°	Max. Wind Area:	1.18 ft² (0.11 m²)	
Elevation BW:	8°	Max. Wind Load (@ 100mph):	65 lbf (289 N)	
Beam Tilt:	2°	Max. Wind Speed:	125 mph (201 km/h)	
USLS* (dB):	>18	Radiator Material:	Low Loss Circuit Board	
Null Fill* (dB):	15	Reflector Material:	Aluminum	
Front-to-Back Ratio* (dB):	40	Radome Material:	ABS, UV Resistant	
VSWR:	<1.33:1	Mounting Hardware Material:	Galvanized Steel	
IM Suppression - Two 20 Watt Carriers:	-150 dBc	Connector Type:	7-16 DIN - Female (Bottom)	
Impedance:	50 Ohms	Color:	Light Gray	
Max Input Power:	250 Watts	Standard Mounting Hardware:	DB390 Pipe Mount Kit, included	
Lightning Protection:	DC Ground	Downtilt Mounting Hardware:	DB5098, optional	
Opt Electrical Tilt:	0°,4°,6°	Opt. Mounting Hardware:	DB5094-AZ Azimuth Wall Mount	



Andrew Corporation 8635 Stemmons Freeway Dallas, Texas U.S.A 75247-3701 Tel: 214.631.0310

Fax: 214.631.4706 Toll Free Tel: 1.800.676.5342 Fax: 1.800.229.4706 www.andrew.com Date: 4/29/2004 * - Indicates Typical Values

Site Name: Killingworth II, CT Tower Height: 170 FT

		Γ		
Fraction of MPE	(%)	3.82%	0.75%	4.57%
Maximum. Permissable Exposure*	(mW/cm^2) (mW/cm^2)	0.586	1	
Calculated Power	(mW/cm^2)	0.0224	0.0075	
Distance to	(feet)	170	170	
Total ERP	(watts)	1800	600	posure
ERP Per	(watts)	200	200	ım Permissible Exposure
Number of		6	3	- 7 1
Operating Erequency	(MHz)	880	1900	otal Percentage of Maxim
Operator		Verizon	Verizon	Total Percen

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter ERP = Effective Radiated Power





February 22, 2005

Steve Tuttle Crown Castle International 500 West Cummings Park, Suite 3400 Woburn, MA 01801 (781) 729-4406



Vertical Structures, Inc. 309 Spangler Drive, Suite E Richmond, KY 40475 (859) 624-8360 kmeehan@verticalstructures.com

Subject:

Structural Analysis Report

Carrier Designation

Verizon Wireless Change-Out Carrier Site Number: N/A

Carrier Site Name: Killingworth 2

Crown Castle Designation

Crown Castle BU Number: 807134 Crown Castle Site Name: NHV 031B Crown Castle JDE Job Number: 59103

Engineering Firm Designation

Vertical Structures Project Number: 2005-004-020

Site Data

197 North Chestnut Hill Road, Killingworth, CT, Middlesex County

Latitude 41°-23'-10.0", Longitude -72°-36'-16.0".

170' Rohn SSV Self-Supporting Tower

Dear Mr. Tuttle.

Vertical Structures is pleased to submit this structural analysis report to determine the structural integrity of the aforementioned tower. This analysis has been performed in accordance with the Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 173037. The purpose of the analysis is to determine the suitability of the tower upon replacing three (3) existing panel antennas mounted on three (3) existing sector frames at 169' with six (6) proposed Decibel DB948F85T2E-M panel antennas for Verizon Wireless when combined with the existing and reserved equipment on the structure. This analysis has been performed in accordance with the TIA/EIA-222-F standard and local code requirements based upon a wind speed condition of 85 MPH.

Based on our analysis we have determined the tower superstructure and foundation are sufficient for the proposed loading.

Vertical Structures appreciates the opportunity of providing our continuing professional services to you and Crown Castle International. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,

Kyle Meehan Project Engineer

NHV 031B Report doc



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

March 17, 2005

The Honorable Charles E. Bishop First Selectman Town of Guilford 31 Park Street Guilford, CT 06437

RE: EM-VER-026-060-070-070A-050317 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1919 Boston Post Road, Guilford; 49 Wig Hill Road, Chester; Route 80, Killingworth; and Chestnut Hill Road, Killingworth, Connecticut.

Dear Mr. Bishop:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for April 19, 2005 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by April 18, 2005.

Thank you for your cooperation and consideration.

S. Derek Phelps

Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Regina Reid, Zoning Enforcement Officer, Town of Guilford



TAALS TULL!

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

March 17, 2005

The Honorable David L. Denvir First Selectman Town of Killingworth 323 Route 81 Killingworth, CT 06419-1298

RE: EM-VER-026-060-070-070A-050317 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1919 Boston Post Road, Guilford; 49 Wig Hill Road, Chester; Route 80, Killingworth; and Chestnut Hill Road, Killingworth, Connecticut.

Dear Mr. Denvir:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for April 19, 2005 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by April 18, 2005.

Thank you for your cooperation and consideration.

S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Cathie Jefferson, Zoning Enforcement Officer, Town of Killingworth





STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

March 17, 2005

The Honorable Martin L. Heft First Selectman Town of Chester 203 Middlesex Avenue Chester, CT 06412-0218

RE: **EM-VER-026-060-070-070A-050317** — Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1919 Boston Post Road, Guilford; 49 Wig Hill Road, Chester; Route 80, Killingworth; and Chestnut Hill Road, Killingworth, Connecticut.

Dear Mr. Heft:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for April 19, 2005 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by April 18, 2005.

Thank you for your cooperation and consideration.

Derek Phelps

Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Cathy Jefferson, Zoning Enforcement Officer, Town of Chester

